

CLAIMS

1. A broadcast signal receiving system comprising retransmission device for receiving a plurality of high-frequency signals of different broadcast signaling systems and converting the received signals into high-frequency signals of a common signaling system, and a plurality of display devices for receiving the high-frequency signals transmitted from the retransmission device and displaying contents of the received signals.

2. A broadcast signal receiving system as defined in claim 1, wherein the retransmission device is provided with a plurality of a broadcast receiving means for receiving and demodulating a plurality of high-frequency signals of different broadcast signaling systems, and converting the received signals into a plurality of different baseband signals, a signal selecting means for selecting one or plural baseband signals from the plural difference baseband signals, a parallel-to-serial converting means for inputting in parallel the baseband signals outputted from the signal selecting means, rearranging the inputted signals into serial signals and outputting the serial signals and a common signal transmitting means for converting the baseband signals from the parallel-to-serial converting means into high-frequency signals of the common signaling system and transmitting the converted signals, and the plural display devices is provided

with a common signal receiving means for receiving the high-frequency signals of the common signaling system and a display means for displaying broadcast contents of the received signals from the common signal receiving means.

3. A broadcast signal receiving system as defined in claim 2, wherein the display device is provided with a selection signal transmitting means for transmitting a selection signal for selecting a desired one of high-frequency signals of the plural different signaling systems and the retransmission device is provided with a selection signal receiving means for receiving the selection signal, demodulating/converting the selection signal into switching signals for the signal selecting means.

4. A broadcast signal receiving system as defined in claim 3, wherein the selection signal transmitting means is provided with an infrared-receiving portion for receiving a selection signal from an infrared remote control transmitter and a radio transmitting portion for transmitting in the form of radio waves the selection signal from the infrared-receiving portion, and the selection signal receiving means is provided with a receiver for receiving the selection signal transmitted from the radio-transmitting portion.

5. A broadcast signal receiving system as defined in any one of claims 2 to 4, wherein the plural broadcast receiving means comprise plural receivers and demodulators corresponding to high-frequency signals of different

signaling systems and power switching means for turning on and off respective power supply circuits of the plural receivers and demodulators, and the signal selecting means turns ON the power supply circuits of the receiver and demodulator related to selected signal and turns OFF the power supply circuits related to not-selected signal.

6. A broadcast signal receiving system as defined in any one of claims 1 to 4, wherein the high-frequency signal of the common signaling system has a frequency band of the millimeter wavelength.

7. A broadcast signal receiving system as defined in claim 5, wherein the high-frequency signal of the common signaling system has a frequency band of the millimeter wavelength.